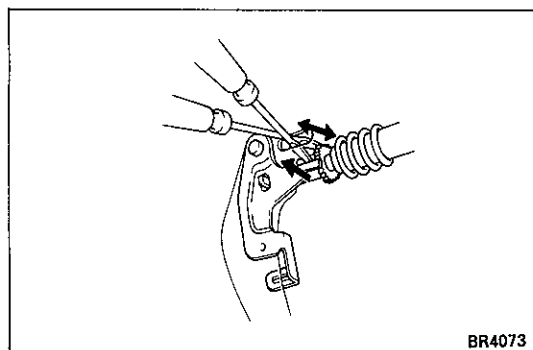
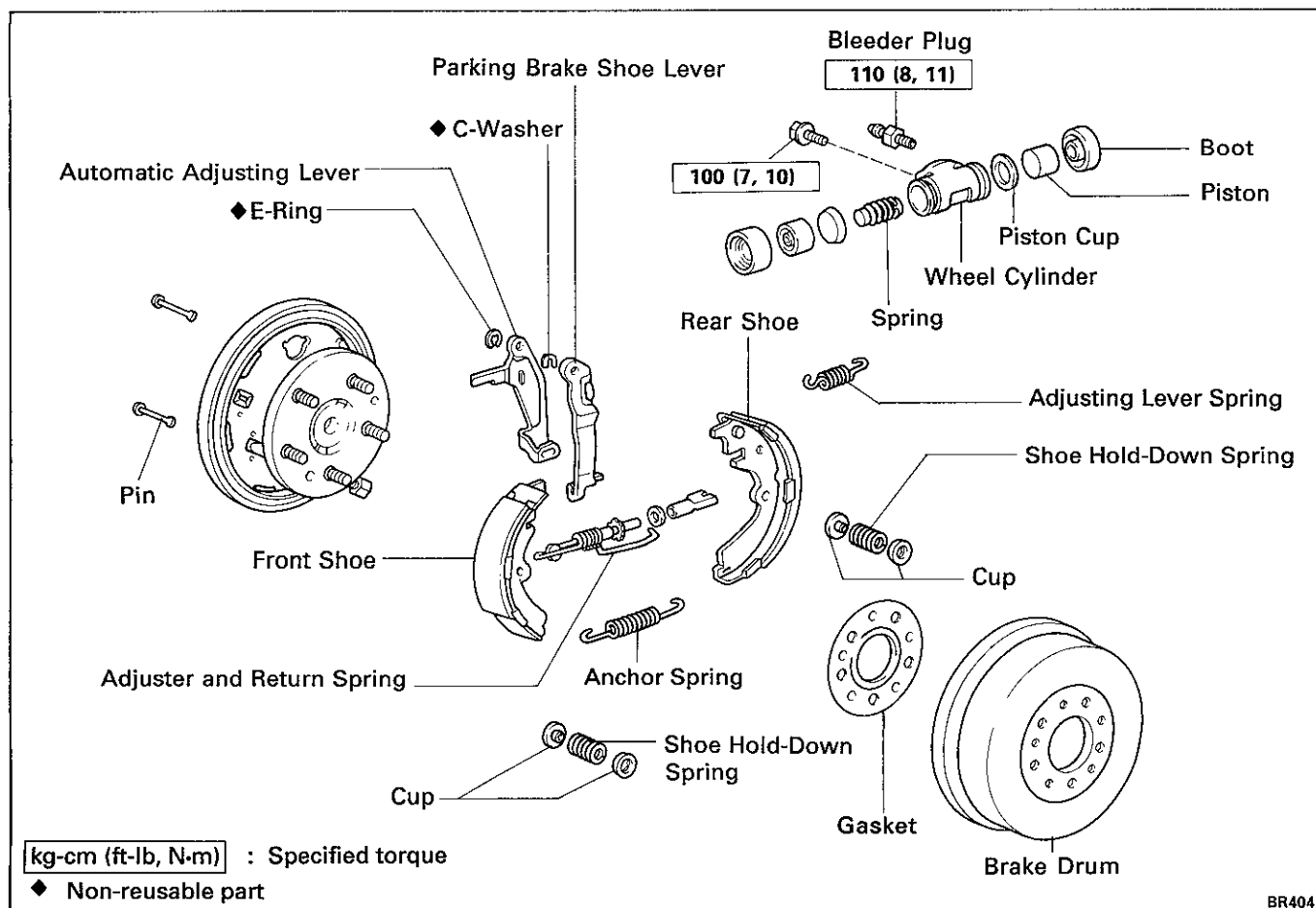


REAR BRAKE (2WD – RHD) COMPONENTS



REMOVAL OF REAR BRAKE

1. REMOVE REAR WHEEL

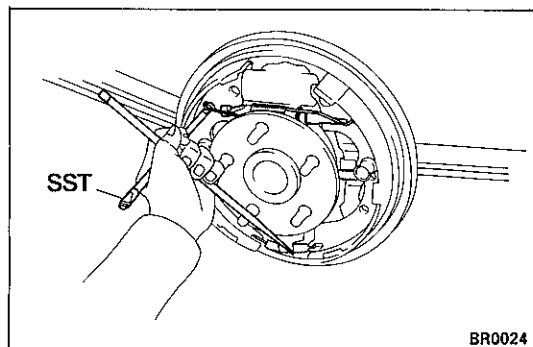
2. REMOVE SCREW AND BRAKE DRUM

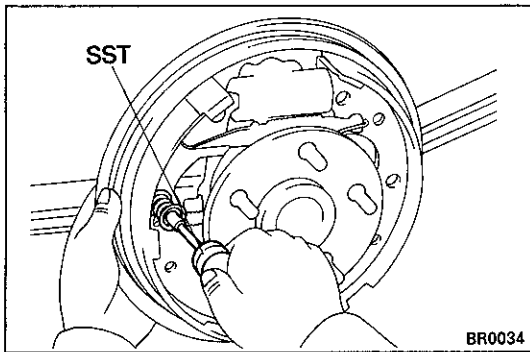
HINT: If the brake drum cannot be removed easily, perform the following steps.

- Remove the plug in the backing plate and insert a screwdriver through the hole, and hold the automatic adjusting lever away from the adjuster.
- Using another screwdriver, reduce the brake shoe adjustment by turning the adjuster.

3. REMOVE FRONT SHOE

- Using SST, remove the return spring.
SST 09703-30010

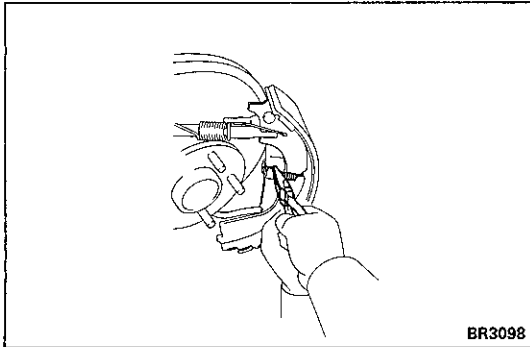




- (b) Using SST, remove the shoe hold-down spring, two cups and a pin from the front shoe.

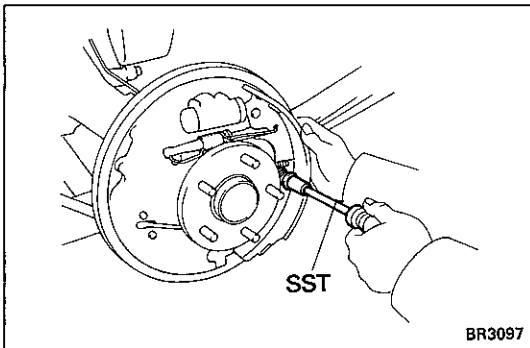
SST 09718-00010

- (c) Disconnect the anchor spring from the front shoe and remove the front shoe.
(d) Remove the anchor spring from the rear shoe.



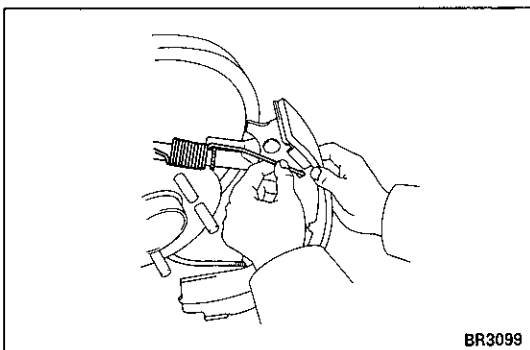
4. REMOVE ADJUSTER AND REAR SHOE

- (a) Using pliers, remove the adjusting lever spring.

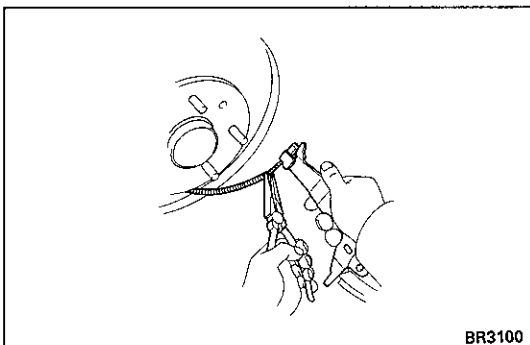


- (b) Using SST, remove the shoe hold-down spring, two cups and a pin from the rear shoe.

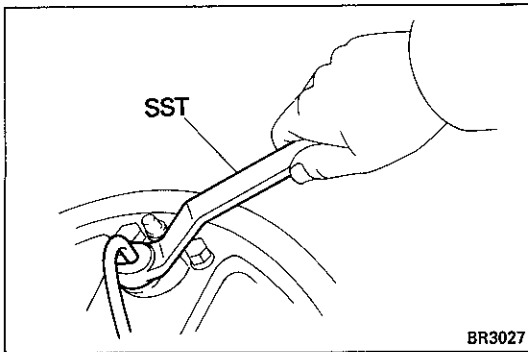
SST 09718-00010



- (c) Remove the adjuster together with the return spring.



- (d) Using pliers, disconnect the parking brake cable from the shoe lever and remove the rear shoe.



5. DISCONNECT BRAKE TUBE FROM WHEEL CYLINDER

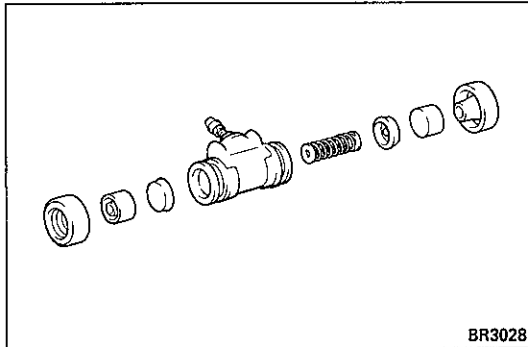
Using SST, disconnect the brake tube.

Use a container to catch the brake fluid.

SST 09751-36011

6. REMOVE WHEEL CYLINDER

Remove the two bolts and wheel cylinder.



7. DISASSEMBLE WHEEL CYLINDER

Remove the following parts from the wheel cylinder.

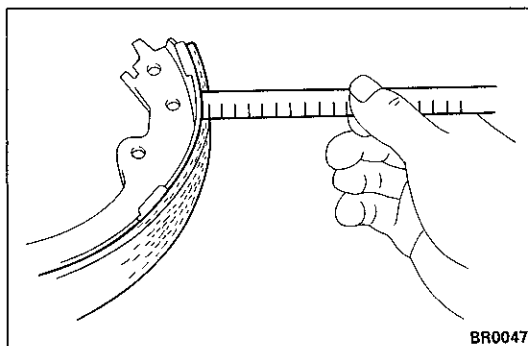
- (a) Two boots
- (b) Two pistons
- (c) Two piston cups
- (d) One spring

INSPECTION AND REPAIR OF REAR BRAKE COMPONENTS

1. INSPECT DISASSEMBLED PARTS

Inspect the disassembled parts for wear, rust or damage.

2. INSPECT BACKING PLATE FOR WEAR OR DAMAGE



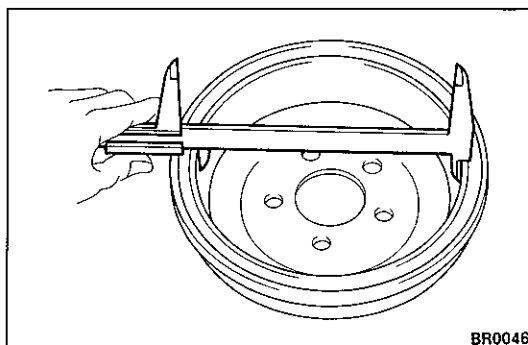
3. MEASURE BRAKE SHOE LINING THICKNESS

Minimum thickness: 1.0 mm (0.039 in.)

Standard thickness: 5.5 mm (0.217 in.)

If the shoe lining is less than minimum or shows signs of uneven wear, replace the brake shoes.

HINT: If any of the brake shoes have to be replaced, replace all of the rear brake shoes in order to maintain even braking.

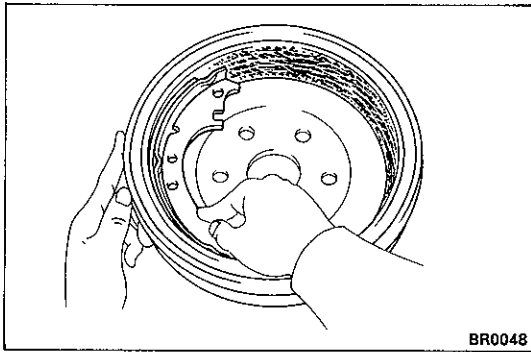


4. MEASURE BRAKE DRUM INSIDE DIAMETER

Maximum inside diameter: 272.0 mm (10.709 in.)

Standard inside diameter: 270.0 mm (10.630 in.)

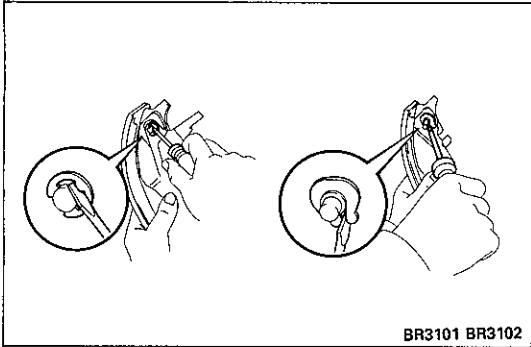
If the drum is scored or worn, the brake drum may be lathed.



BR0048

5. INSPECT BRAKE LINING AND DRUM FOR PROPER CONTACT

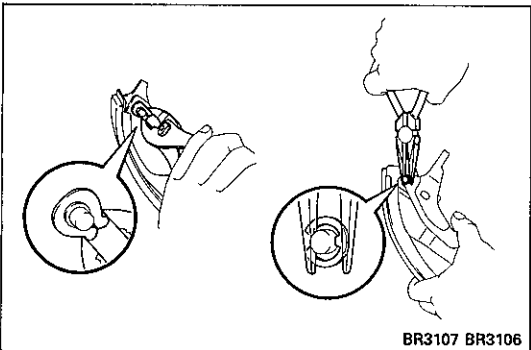
If the contact between the brake lining and drum is improper, repair the lining with a brake shoe grinder, or replace the brake shoes.



BR3101 BR3102

6. IF NECESSARY, REPLACE LEVERS OF REAR SHOE

(a) Using a screwdriver, remove the automatic adjusting lever and parking brake shoe lever from the rear shoe.

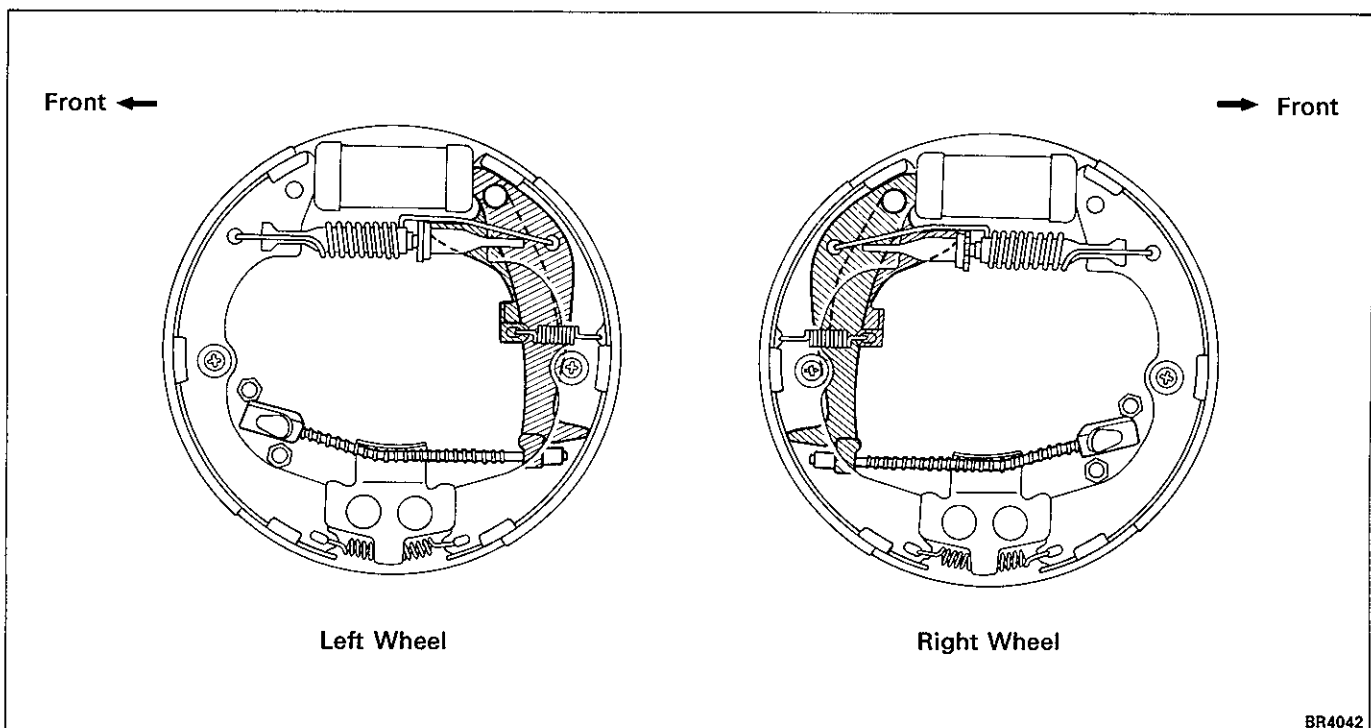


BR3107 BR3106

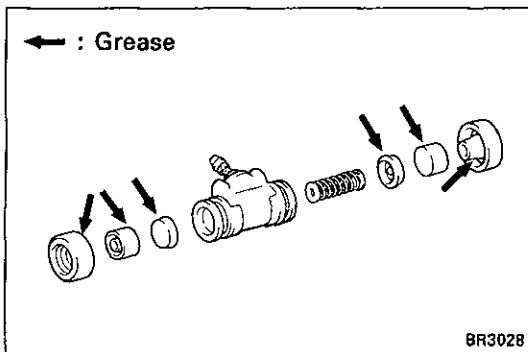
(b) Using pliers, install the parking brake shoe lever with a new C-washer, and install the automatic adjusting lever with a new E-ring.

INSTALLATION OF REAR BRAKE

HINT: Assemble the parts in the correct direction as shown.



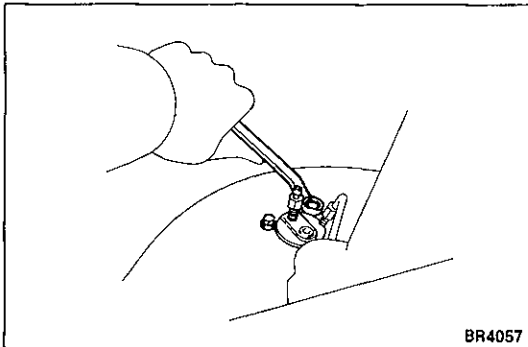
BR4042

**1. ASSEMBLE WHEEL CYLINDER**

- (a) Apply lithium soap base glycol grease to the piston cups and pistons.
- (b) Install the spring and two piston cups into the wheel cylinder.

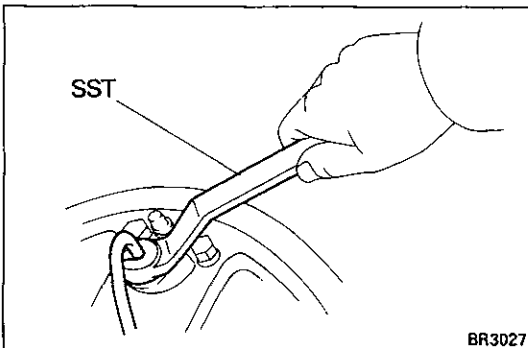
HINT: Make sure the flanges of the cups are pointed inward.

- (c) Install the two pistons into the wheel cylinder.
- (d) Apply lithium soap base glycol grease to the boots as shown, and install them to the cylinder.

**2. INSTALL WHEEL CYLINDER**

Install the wheel cylinder on the backing plate with the two bolts and tighten them.

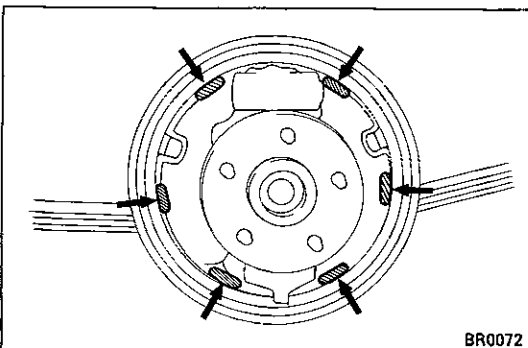
Torque: 100 kg-cm (7 ft-lb, 10 N·m)

**3. CONNECT BRAKE TUBE TO WHEEL CYLINDER**

Using SST, connect the brake tube.

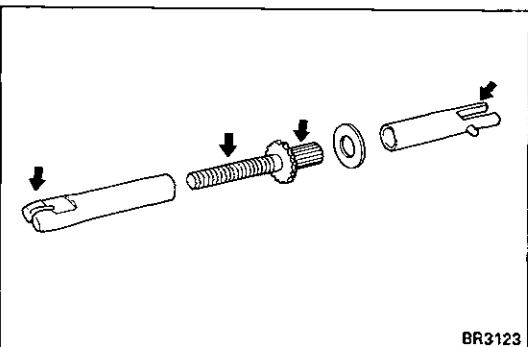
SST 09751-36011

Torque: 155 kg-cm (11 ft-lb, 15 N·m)

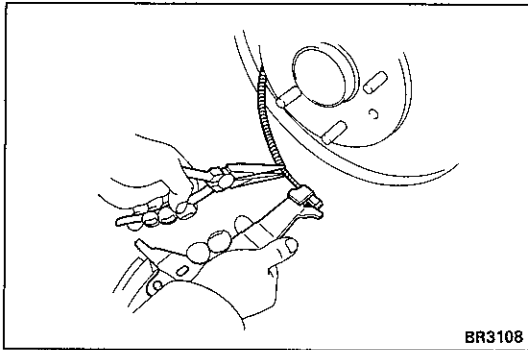
**4. APPLY HIGH TEMPERATURE GREASE TO BACKING PLATE AND ADJUSTER**

Apply high temperature grease to following portions.

- (a) Backing plate and brake shoe contact points
- (b) Anchor plate and brake shoe contact points

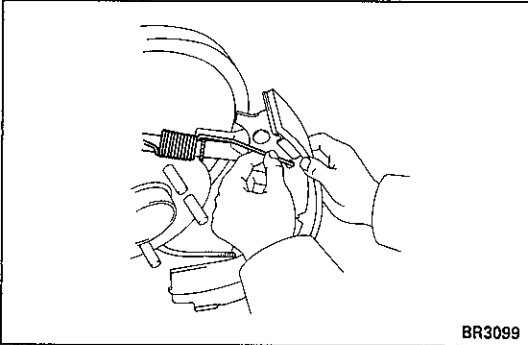


- (c) Adjusting bolt threads and ends



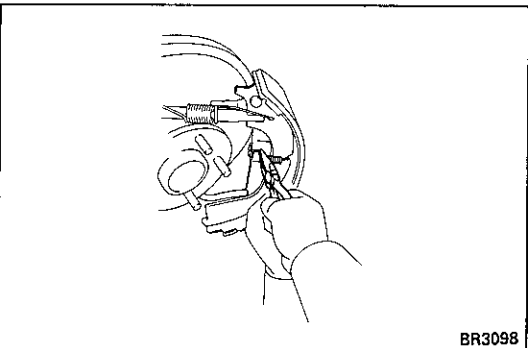
5. INSTALL ADJUSTER AND REAR SHOE

- (a) Using pliers, connect the parking brake cable to the lever.

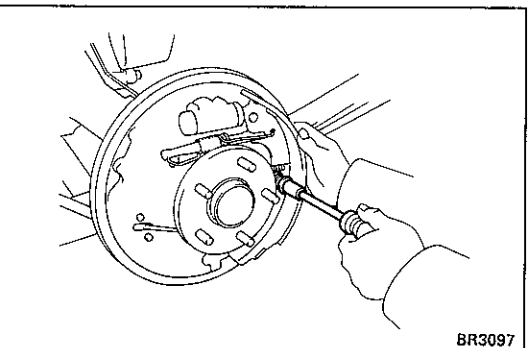


- (b) Set the adjuster and return spring to the rear shoe.
 (c) Set the rear shoe in place with the end of the shoe inserted in the wheel cylinder and the other end in the anchor plate.

NOTICE: Do not allow oil or grease to get on the rubbing face.

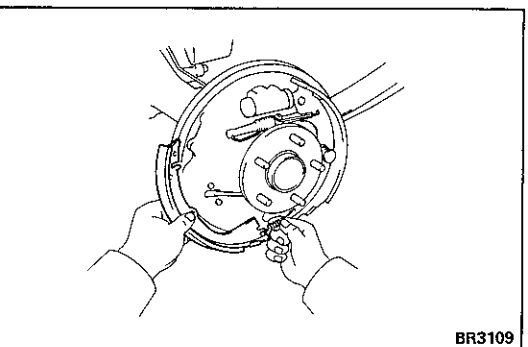


- (e) Install the adjusting lever spring.



- (d) Using SST, install the shoe hold-down spring, two cups and a pin.

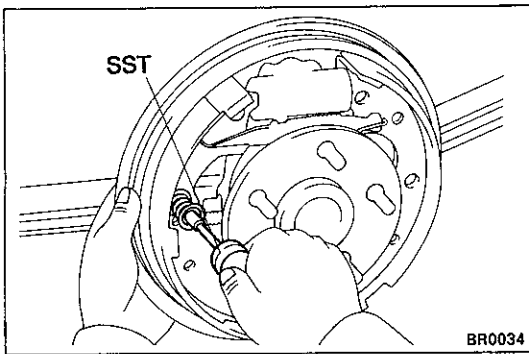
SST 09718-00010



6. INSTALL FRONT SHOE

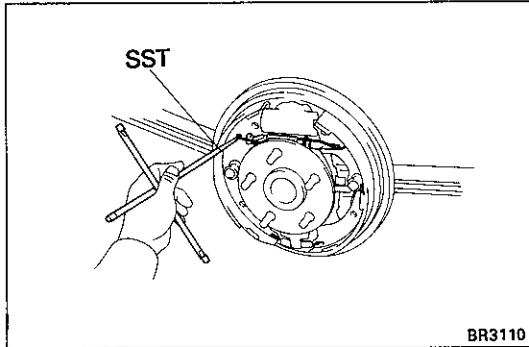
- (a) Install the anchor spring between the front and rear shoes.
 (b) Set the front shoe in place with the end of the shoe inserted in the wheel cylinder and the adjuster in place.

NOTICE: Do not allow oil or grease to get on the rubbing face.



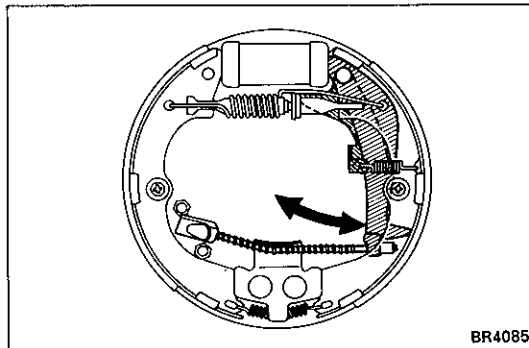
- (c) Using SST, install the shoe hold-down spring, two cups and a pin.

SST 09718-00010



- (d) Using SST, connect the return spring.

SST 09703-30010

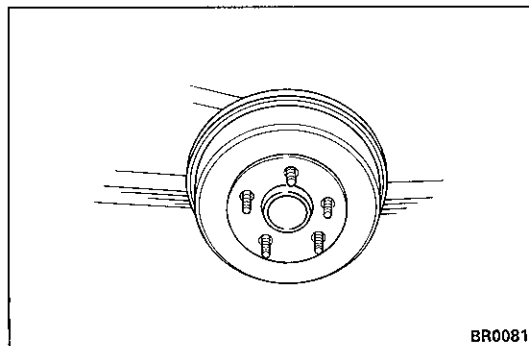


7. CHECK OPERATION OF AUTOMATIC ADJUSTING MECHANISM

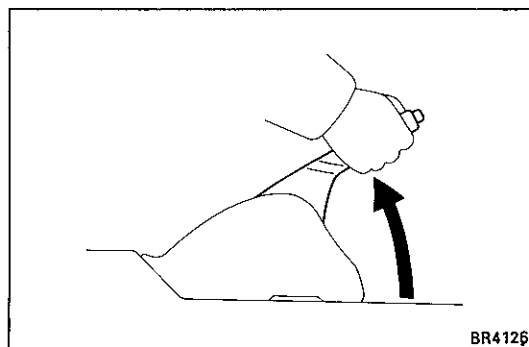
- (a) Move the parking brake shoe lever of the rear shoe back and forth, as shown. Check that the adjusting bolt turns.

If the adjusting bolt does not turn, check for incorrect installation of the rear brakes.

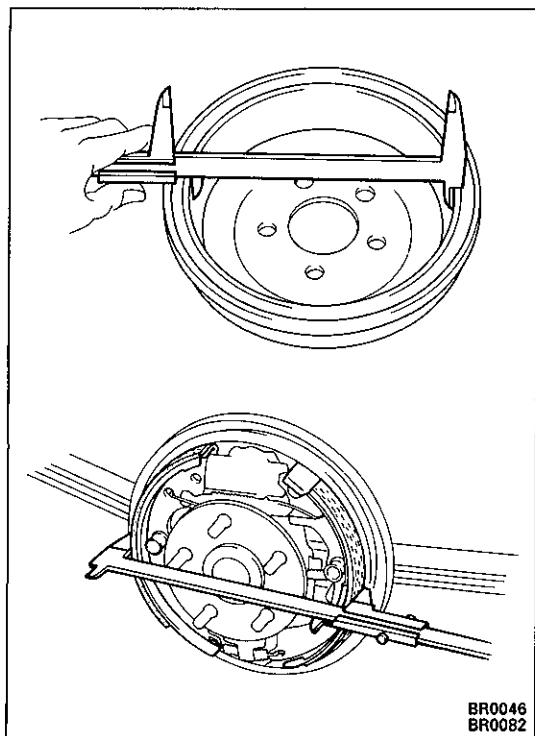
- (b) Adjust the adjuster length to the shortest possible amount.



- (c) Install the brake drum.



- (d) Pull the parking brake lever all the way up and down until a clicking sound can no longer be heard.

**8. CHECK CLEARANCE BETWEEN BRAKE SHOES AND DRUM**

- (a) Remove the brake drum.
- (b) Measure the brake drum inside diameter and diameter of the brake shoes. Check that the difference between the diameters is the correct shoe clearance.

Shoe clearance: 0.6 mm (0.024 in.)

If incorrect, check the parking brake system.

9. INSTALL BRAKE DRUM

Install the brake drum and tighten the screw.

10. INSTALL REAR WHEEL**11. FILL BRAKE RESERVOIR WITH BRAKE FLUID AND BLEED BRAKE SYSTEM**

(See page BR-7)

12. CHECK FOR FLUID LEAKAGE